



AXT760UD00-18D

This data sheet describes the features and specification of the AENEON™ XTUNE™ 1GB DDR2-1142+ overclocking memory module family.

XTUNE™ series is the AENEON™ solution for Enthusiastic Gamers striving for highest system performance.

AENEON™ XTUNE™ series supports the EPP (Enhanced Performance Profile) standard. EPP provides a Plug&Play solution and eases the use of overclocking modules significantly since the overclocking features can be read out by all motherboards¹⁾ also supporting EPP. As a result the system parameters are automatically adjusted to the overclocking parameters supported by the memory module. The most popular motherboards in the market supporting EPP are NVIDIA SLI 680i platforms.

Description

The 1GB single module can be organized as

- 128M x 64-bit DDR2-1142+ based on 16 components 64M x 8-bit DDR2 FBGA components.

The single module is tested to run at DDR2-1142+ at a latency timing of 5-5-5-15 at voltage value of 2.3 V.

The Dual Channel Kit is coming with two identical modules tested together in DUAL CHANNEL MODE on several platforms based on the NVIDIA 680i, Intel 965 and Intel P35 chip sets.

Package Variants

The AXT760UD00-18D comes in the following configurations:

Product Type	Density	General
AXT760UD00-18DM98-K(n)-2G	2x1GB (2GB)	Dual Channel Kit, n = regional versions

Features

- 1GB Memory Modules
- Overclocking Speed Grade DDR2-1142+ CL5 at 2.3 V
- 240-Pin Dual Inline Memory Module (DIMM) with Gold Contact
- Highest Quality Heat Spreader for preventing critical operating temperatures
- Supports Industry Standard DDR2-800 5-5-5-15 (for non Overclocking operation)

1) Motherboard and BIOS have to support the EPP feature. In some Motherboard Model, EPP feature, has to be enabled in the BIOS settings. Refer to the Motherboard documentation for further details. All the other overclocking capable motherboards have to be manually configured using the parameters shown in the table.

Specification

Parameter	Standard	Overclocking
Single power supply $V_{DD} = V_{DDQ}$	$1.8\text{ V} \pm 0.1\text{ V}$	2.3 V (max.)
Module dimensions L x W x H	133.35 mm x 30.0 mm x 4.0 mm (max.) 5.25" x 1.18" x 0.16" (max.)	

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Warnings

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1. A failure of the AENEON Products can reasonably be expected to –directly or indirectly–
 - a. Have a detrimental effect on such Critical Systems in terms of reliability, effectiveness or safety; or
 - b. Cause the failure of such Critical Systems; or
2. A failure or malfunction of such Critical Systems can reasonably be expected to –directly or indirectly–
 - a. Endanger the health or the life of the user of such Critical Systems or any other person; or
 - b. Otherwise cause material damages (including but not limited to damages or serious injury to life or property, whether tangible or intangible).